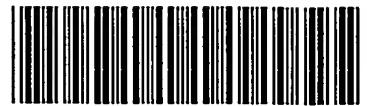


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/666, 997
Source: IFW0
Date Processed by STIC: 09/21/2006

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/666,997

DATE: 09/21/2006

TIME: 10:59:09

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\09212006\J666997.raw

3 <110> APPLICANT: Carter, Carol
 4 Goff, Arthur
 5 Ehrlich, Lorna
 6 Cohen, Stanley N.
 8 <120> TITLE OF INVENTION: TSG101 AS INHIBITOR OF HIV PRODUCTION
 10 <130> FILE REFERENCE: 70017.17USC1
 12 <140> CURRENT APPLICATION NUMBER: US 10/666,997
 13 <141> CURRENT FILING DATE: 2003-09-18
 15 <150> PRIOR APPLICATION NUMBER: PCT/US02/15965
 16 <151> PRIOR FILING DATE: 2002-05-21
 18 <150> PRIOR APPLICATION NUMBER: US 60/292,761
 19 <151> PRIOR FILING DATE: 2001-05-21
 21 <160> NUMBER OF SEQ ID NOS: 38
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 391
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Mouse
 30 <400> SEQUENCE: 1
 32 Met Ala Val Ser Glu Ser Gln Leu Lys Lys Met Met Ser Lys Tyr Lys
 33 1 5 10 15
 36 Tyr Arg Asp Leu Thr Val Arg Gln Thr Val Asn Val Ile Ala Met Tyr
 37 20 25 30
 40 Lys Asp Leu Lys Pro Val Leu Asp Ser Tyr Val Phe Asn Asp Gly Ser
 41 35 40 45
 44 Ser Arg Glu Leu Val Asn Leu Thr Gly Thr Ile Pro Val Arg Tyr Arg
 45 50 55 60
 48 Gly Asn Ile Tyr Asn Ile Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr
 49 65 70 75 80
 52 Pro Tyr Asn Pro Pro Ile Cys Phe Val Lys Pro Thr Ser Ser Met Thr
 53 85 90 95
 56 Ile Lys Thr Gly Lys His Val Asp Ala Asn Gly Lys Ile Tyr Leu Pro
 57 100 105 110
 60 Tyr Leu His Asp Trp Lys His Pro Arg Ser Glu Leu Leu Glu Leu Ile
 61 115 120 125
 64 Gln Ile Met Ile Val Ile Phe Gly Glu Glu Pro Pro Val Phe Ser Arg
 65 130 135 140
 68 Pro Thr Val Ser Ala Ser Tyr Pro Pro Tyr Thr Ala Thr Gly Pro Pro
 69 145 150 155 160
 72 Asn Thr Ser Tyr Met Pro Gly Met Pro Ser Gly Ile Ser Ala Tyr Pro
 73 165 170 175
 76 Ser Gly Tyr Pro Pro Asn Pro Ser Gly Tyr Pro Gly Cys Pro Tyr Pro
 77 180 185 190

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PATENT APPLICATION: US/10/666,997

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Input Set : A:\Sequence Listing.txt
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80 Pro Ala Gly Pro Tyr Pro Ala Thr Thr Ser Ser Gln Tyr Pro Ser Gln
81 195 200 205
84 Pro Pro Val Thr Thr Val Gly Pro Ser Arg Asp Gly Thr Ile Ser Glu
85 210 215 220
88 Asp Thr Ile Arg Ala Ser Leu Ile Ser Ala Val Ser Asp Lys Leu Arg
89 225 230 235 240
92 Trp Arg Met Lys Glu Glu Met Asp Gly Ala Gln Ala Glu Leu Asn Ala
93 245 250 255
96 Leu Lys Arg Thr Glu Glu Asp Leu Lys Gly His Gln Lys Leu Glu
97 260 265 270
100 Glu Met Val Thr Arg Leu Asp Gln Glu Val Ala Glu Val Asp Lys Asn
101 275 280 285
104 Ile Glu Leu Leu Lys Lys Asp Glu Glu Leu Ser Ser Ala Leu Glu
105 290 295 300
108 Lys Met Glu Asn Gln Ser Glu Asn Asn Asp Ile Asp Glu Val Ile Ile
109 305 310 315 320
112 Pro Thr Ala Pro Leu Tyr Lys Gln Ile Leu Asn Leu Tyr Ala Glu Glu
113 325 330 335
116 Asn Ala Ile Glu Asp Thr Ile Phe Tyr Leu Gly Glu Ala Leu Arg Arg
117 340 345 350
120 Gly Val Ile Asp Leu Asp Val Phe Leu Lys His Val Arg Leu Leu Ser
121 355 360 365
124 Arg Lys Gln Phe Gln Leu Arg Ala Leu Met Gln Lys Ala Arg Lys Thr
125 370 375 380
128 Ala Gly Leu Ser Asp Leu Tyr
129 385 390
132 <210> SEQ ID NO: 2
133 <211> LENGTH: 390
134 <212> TYPE: PRT
135 <213> ORGANISM: Human
137 <400> SEQUENCE: 2
139 Met Ala Val Ser Glu Ser Gln Leu Lys Lys Met Val Ser Lys Tyr Lys
140 1 5 10 15
143 Tyr Arg Asp Leu Thr Val Arg Glu Thr Val Asn Val Ile Thr Leu Tyr
144 20 25 30
147 Lys Asp Leu Lys Pro Val Leu Asp Ser Tyr Val Phe Asn Asp Gly Ser
148 35 40 45
151 Ser Arg Glu Leu Met Asn Leu Thr Gly Thr Ile Pro Val Pro Tyr Arg
152 50 55 60
155 Gly Asn Thr Tyr Asn Ile Pro Ile Cys Leu Trp Leu Leu Asp Thr Tyr
156 65 70 75 80
159 Pro Tyr Asn Pro Pro Ile Cys Phe Val Lys Pro Thr Ser Ser Met Thr
160 85 90 95
163 Ile Lys Thr Gly Lys His Val Asp Ala Asn Gly Lys Ile Tyr Leu Pro
164 100 105 110
167 Tyr Leu His Glu Trp Lys His Pro Gln Ser Asp Leu Leu Gly Leu Ile
168 115 120 125
171 Gln Val Met Ile Val Val Phe Gly Asp Glu Pro Pro Val Phe Ser Arg
172 130 135 140

RAW SEQUENCE LISTING DATE: 09/21/2006
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Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09212006\J666997.raw

175 Pro Ile Ser Ala Ser Tyr Pro Pro Tyr Gln Ala Thr Gly Pro Pro Asn
 176 145 150 155 160
 179 Thr Ser Tyr Met Pro Gly Met Pro Gly Gly Ile Ser Pro Tyr Pro Ser
 180 165 170 175
 183 Gly Tyr Pro Pro Asn Pro Ser Gly Tyr Pro Gly Cys Pro Tyr Pro Pro
 184 180 185 190
 187 Gly Gly Pro Tyr Pro Ala Thr Thr Ser Ser Gln Tyr Pro Ser Gln Pro
 188 195 200 205
 191 Pro Val Thr Thr Val Gly Pro Ser Arg Asp Gly Thr Ile Ser Glu Asp
 192 210 215 220
 195 Thr Ile Arg Ala Ser Leu Ile Ser Ala Val Ser Asp Lys Leu Arg Trp
 196 225 230 235 240
 199 Arg Met Lys Glu Glu Met Asp Arg Ala Gln Ala Glu Leu Asn Ala Leu
 200 245 250 255
 203 Lys Arg Thr Glu Glu Asp Leu Lys Lys Gly His Gln Lys Leu Glu Glu
 204 260 265 270
 207 Met Val Thr Arg Leu Asp Gln Glu Val Ala Glu Val Asp Lys Asn Ile
 208 275 280 285
 211 Glu Leu Leu Lys Lys Asp Glu Glu Leu Ser Ser Ala Leu Glu Lys
 212 290 295 300
 215 Met Glu Asn Gln Ser Glu Asn Asn Asp Ile Asp Glu Val Ile Ile Pro
 216 305 310 315 320
 219 Thr Ala Pro Leu Tyr Lys Gln Ile Leu Asn Leu Tyr Ala Glu Glu Asn
 220 325 330 335
 223 Ala Ile Glu Asp Thr Ile Phe Tyr Leu Gly Glu Ala Leu Arg Arg Gly
 224 340 345 350
 227 Val Ile Asp Leu Asp Val Phe Leu Lys His Val Arg Leu Leu Ser Arg
 228 355 360 365
 231 Lys Gln Phe Gln Leu Arg Ala Leu Met Gln Lys Ala Arg Lys Thr Ala
 232 370 375 380
 235 Gly Leu Ser Asp Leu Tyr
 236 385 390
 239 <210> SEQ ID NO: 3
 240 <211> LENGTH: 5
 241 <212> TYPE: PRT
 242 <213> ORGANISM: HIV 1
 244 <400> SEQUENCE: 3
 246 Pro Thr Ala Pro Pro
 247 1 5
 250 <210> SEQ ID NO: 4
 251 <211> LENGTH: 15
 252 <212> TYPE: PRT
 253 <213> ORGANISM: HIV 1
 255 <400> SEQUENCE: 4
 257 Ala Leu Gln Ser Arg Pro Glu Pro Thr Ala Pro Pro Glu Glu Ser
 258 1 5 10 15
 261 <210> SEQ ID NO: 5
 262 <211> LENGTH: 35
 263 <212> TYPE: DNA

RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09212006\J666997.raw

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264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Primer
269 <400> SEQUENCE: 5
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273 <210> SEQ ID NO: 6
274 <211> LENGTH: 26
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Primer
281 <400> SEQUENCE: 6
282 gaagatctat tagaagtta aagtgc 26
285 <210> SEQ ID NO: 7
286 <211> LENGTH: 26
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Primer
293 <400> SEQUENCE: 7
294 gaagatctca ctacaaaact cttgcc 26
297 <210> SEQ ID NO: 8
298 <211> LENGTH: 30
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
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305 <400> SEQUENCE: 8
306 ggaagatctc ccctatagtg cagaacatcc 30
309 <210> SEQ ID NO: 9
310 <211> LENGTH: 23
311 <212> TYPE: DNA
312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Primer
317 <400> SEQUENCE: 9
318 cgggatcctt ccctggcctt ccc 23
321 <210> SEQ ID NO: 10
322 <211> LENGTH: 18
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Primer
329 <400> SEQUENCE: 10
330 ggaagatct ggcctcc 18
333 <210> SEQ ID NO: 11
334 <211> LENGTH: 26
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING DATE: 09/21/2006
 PATENT APPLICATION: US/10/666,997 TIME: 10:59:09

Input Set : A:\Sequence Listing.txt
 Output Set: N:\CRF4\09212006\J666997.raw

338 <220> FEATURE:	
339 <223> OTHER INFORMATION: Primer	
341 <400> SEQUENCE: 11	
342 gaagatctat tagaagttta aagtgc	26
345 <210> SEQ ID NO: 12	
346 <211> LENGTH: 32	
347 <212> TYPE: DNA	
348 <213> ORGANISM: Artificial Sequence	
350 <220> FEATURE:	
351 <223> OTHER INFORMATION: Primer	
353 <400> SEQUENCE: 12	
354 cagagcagac cagagttct tcagagcaga cc	32
357 <210> SEQ ID NO: 13	
358 <211> LENGTH: 30	
359 <212> TYPE: DNA	
360 <213> ORGANISM: Artificial Sequence	
362 <220> FEATURE:	
363 <223> OTHER INFORMATION: Primer	
365 <400> SEQUENCE: 13	
366 cagagcagac cagaggaaga gagttcagg	30
369 <210> SEQ ID NO: 14	
370 <211> LENGTH: 19	
371 <212> TYPE: DNA	
372 <213> ORGANISM: Artificial Sequence	
374 <220> FEATURE:	
375 <223> OTHER INFORMATION: Primer	
377 <400> SEQUENCE: 14	
378 cccctcagag ccaggagcc	19
381 <210> SEQ ID NO: 15	
382 <211> LENGTH: 23	
383 <212> TYPE: DNA	
384 <213> ORGANISM: Artificial Sequence	
386 <220> FEATURE:	
387 <223> OTHER INFORMATION: Primer	
389 <400> SEQUENCE: 15	
390 gccgatagac agggactgt atc	23
393 <210> SEQ ID NO: 16	
394 <211> LENGTH: 31	
395 <212> TYPE: DNA	
396 <213> ORGANISM: Artificial Sequence	
398 <220> FEATURE:	
399 <223> OTHER INFORMATION: Primer	
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402 ccgatagaca aggaaaacga cccctcgta c	31
405 <210> SEQ ID NO: 17	
406 <211> LENGTH: 23	
407 <212> TYPE: DNA	
408 <213> ORGANISM: Artificial Sequence	
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/666,997

DATE: 09/21/2006

TIME: 10:59:10

Input Set : A:\Sequence Listing.txt

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